

# MULTI-WELL PLATE AND ELECTRODE ASSEMBLIES FOR ION CHANNEL ASSAYS

## Abstract of the Disclosure

5           Plate and electrode assemblies include configurations allowing for relatively uniform electric field production. The electrodes may comprise strips of conductive material plated onto the bottom surface of sample wells or they may comprise plate electrodes extending down into the well. In some embodiments, the electric field strength varies by less than about 10% from a mean field intensity over at least about  
10       20% of the surface area of the bottom surface of a sample well.

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